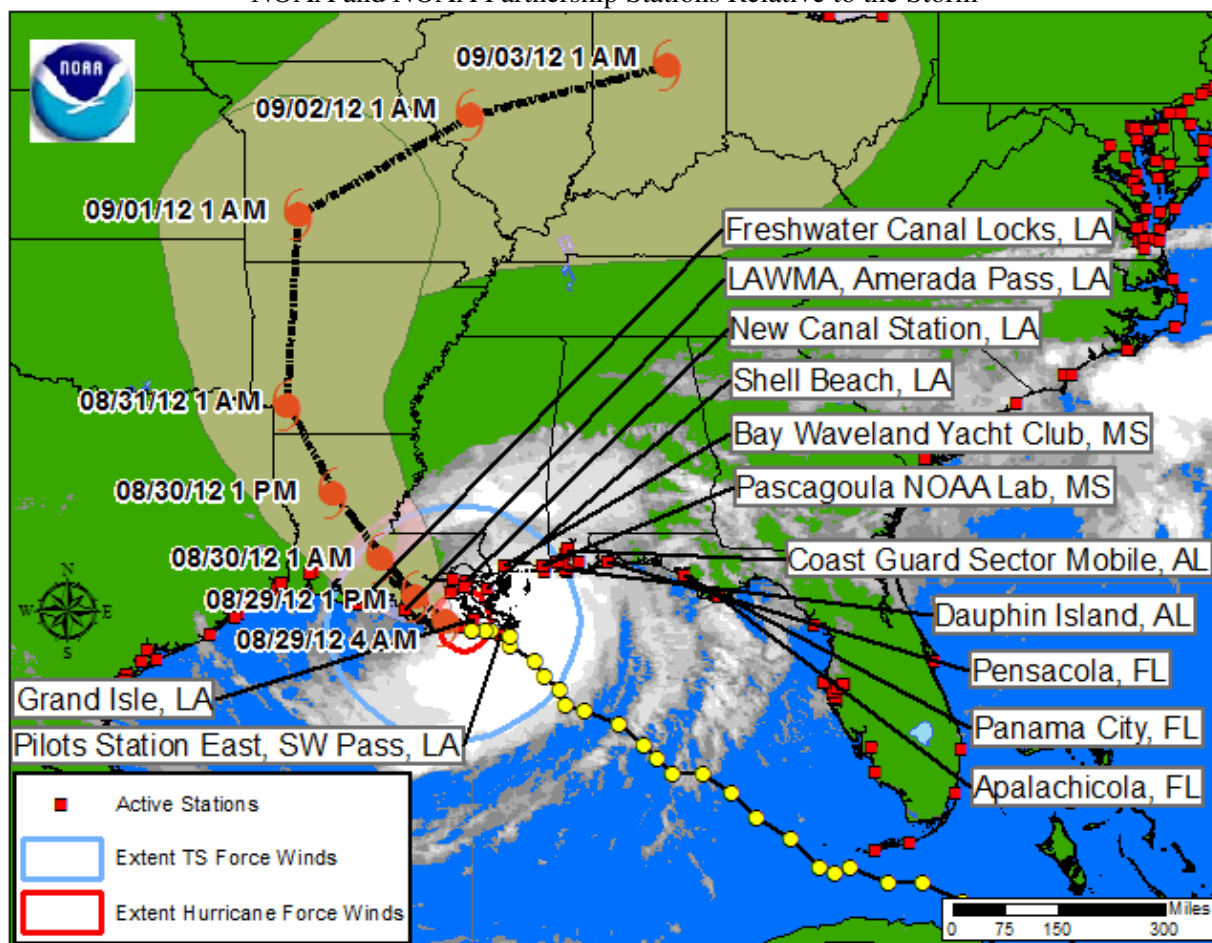




Hurricane ISAAC QuickLook
Posted: 05:00 CDT 08/29/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

..ISAAC MAKES LANDFALL IN EXTREME SOUTHEASTERN LOUISIANA...

As of 08/29/2012 05:00 CDT, water levels along the Gulf coast from Alabama to Louisiana continue to rise. Water levels from Dauphin Island, AL to Shell Beach, LA range from 3.2 to 10.0 feet above tidal predictions, with water levels at Shell Beach showing the most significant impacts, measuring 10.0 feet above tidal predictions. Water levels along southeastern Louisiana from Pilots Station to Grand Isle are elevated between 3.3 and 3.4 feet above tidal predictions. Water levels near Lake Pontchartrain are rising and range between 2 to 4.9 feet above tidal predictions. Water levels at stations west of the storm track are either at or 1.8 feet below tidal predictions. Water levels along the Florida panhandle have begun to fall, however they remain 1.5 to 2.2 feet above tidal predictions.

Winds from Alabama to southeastern Louisiana are increasing and generally range from 30 to 50 knots, with gusts ranging from 60 to 80 knots from Shell Beach, LA to Grand Isle, LA. Winds along the Florida

Hurricane ISAAC QuickLook, POSTED 05:00 CDT 08/29/2012

panhandle are decreasing and range from 5 to 20 knots. Barometric pressure continues to fall from Alabama to Louisiana.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Bay Waveland Yacht Club, MS: Next predicted high tides are 1.9 ft (0.56 m) at 08/29/2012 10:51 CDT and 1.7 ft (0.53 m) at 08/30/2012 12:14 CDT.

Shell Beach, LA: Next predicted high tides are 1.3 ft (0.41 m) at 08/29/2012 12:45 CDT and 1.2 ft (0.37 m) at 08/30/2012 14:26 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.5 ft (0.47 m) at 08/29/2012 08:34 CDT and 1.4 ft (0.43 m) at 08/30/2012 09:26 CDT.

Grand Isle, LA: Next predicted high tides are 1.4 ft (0.41 m) at 08/29/2012 09:17 CDT and 1.2 ft (0.38 m) at 08/30/2012 10:21 CDT.

New Canal Station, LA: Next predicted high tides are 0.4 ft (0.12 m) at 08/29/2012 18:54 CDT and 0.4 ft (0.11 m) at 08/30/2012 19:18 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.6 ft (0.48 m) at 08/29/2012 09:49 CDT and 1.4 ft (0.44 m) at 08/30/2012 11:03 CDT.

Coast Guard Sector Mobile, AL: Next predicted high tides are 1.5 ft (0.47 m) at 08/29/2012 11:34 CDT and 1.4 ft (0.44 m) at 08/30/2012 12:26 CDT.

Dauphin Island, AL: Next predicted high tides are 1.5 ft (0.46 m) at 08/29/2012 09:26 CDT and 1.4 ft (0.42 m) at 08/30/2012 10:20 CDT.

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.3 ft (0.39 m) at 08/29/2012 14:24 CDT and 1.4 ft (0.42 m) at 08/30/2012 04:37 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 1.8 ft (0.55 m) at 08/29/2012 12:20 CDT and 2.0 ft (0.62 m) at 08/30/2012 03:25 CDT.

Pensacola, FL: Next predicted high tides are 1.7 ft (0.51 m) at 08/29/2012 10:10 CDT and 1.5 ft (0.47 m) at 08/30/2012 11:08 CDT.

Panama City, FL: Next predicted high tides are 1.7 ft (0.51 m) at 08/29/2012 09:23 CDT and 1.5 ft (0.48 m) at 08/30/2012 10:21 CDT.

Apalachicola, FL: Next predicted high tides are 1.9 ft (0.57 m) at 08/29/2012 14:24 EDT and 1.6 ft (0.48 m) at 08/30/2012 04:47 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:ADW

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE ISAAC ADVISORY NUMBER 33
NWS NATIONAL HURRICANE CENTER MIAMI FL
400 AM CDT WED AUG 29 2012

...ISAAC BEGINNING TO MOVE INLAND IN SOUTHEAST LOUISIANA...DANGEROUS
STORM SURGE AND FLOOD THREAT FROM HEAVY RAINS LIKELY TO CONTINUE
THROUGH TODAY AND TONIGHT...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

NONE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

* EAST OF MORGAN CITY LOUISIANA TO THE MISSISSIPPI-ALABAMA BORDER...
INCLUDING METROPOLITAN NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE
MAUREPAS

A HURRICANE WATCH IS IN EFFECT FOR...

* INTRACOASTAL CITY TO MORGAN CITY LOUISIANA

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* THE MISSISSIPPI-ALABAMA BORDER TO DESTIN FLORIDA

* MORGAN CITY TO SABINE PASS TEXAS

A TROPICAL STORM WATCH IS IN EFFECT FOR...

* EAST OF HIGH ISLAND TEXAS TO JUST WEST OF SABINE PASS

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED
BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 400 AM CDT THE CENTER OF HURRICANE ISAAC WAS LOCATED ABOUT 30 MI SSE OF
HOUMA LOUISIANA AND ABOUT 60 MI SSW OF NEW ORLEANS LOUISIANA. ISAAC IS MOVING
TOWARD THE WEST-NORTHWEST NEAR 8 MPH. A GENERAL NORTHWESTWARD MOTION AT
A SLOWER FORWARD SPEED IS EXPECTED TODAY AND TONIGHT...FOLLOWED BY A TURN
TOWARD THE NORTH-NORTHWEST BY THURSDAY NIGHT OR EARLY FRIDAY. ON THE
FORECAST TRACK...THE CENTER OF ISAAC WILL MOVE OVER LOUISIANA TODAY AND
TOMORROW AND OVER SOUTHERN ARKANSAS EARLY FRIDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 80 MPH WITH HIGHER GUSTS. ISAAC IS A

CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON HURRICANE WIND SCALE.
WEAKENING IS FORECAST AS ISAAC MOVES OVER LAND DURING THE NEXT 48 HOURS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 60 MILES FROM THE CENTER...AND
TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 175 MILES. A SUSTAINED WIND
OF 51 MPH WITH A GUST TO 66 MPH WAS REPORTED WITHIN THE PAST HOUR AT
LAKEFRONT AIRPORT IN NEW ORLEANS. A SUSTAINED WIND OF 51 MPH WITH A GUST TO 70
MPH WAS REPORTED WITHIN THE PAST HOUR AT BOOTHVILLE LOUISIANA.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 969 MB.

HAZARDS AFFECTING LAND

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE
NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER
COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT
THE TIME OF HIGH TIDE...

- * MISSISSIPPI AND SOUTHEASTERN LOUISIANA...6 TO 12 FT
- * ALABAMA...3 TO 6 FT
- * SOUTH-CENTRAL LOUISIANA...3 TO 6 FT
- * FLORIDA PANHANDLE AND APALACHEE BAY...2 TO 4 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE
WINDS. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE
AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR
INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL
WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY
LARGE AND DANGEROUS WAVES.

WIND...TROPICAL STORM CONDITIONS WILL CONTINUE ACROSS THE WARNING AREA THIS
MORNING...AND HURRICANE CONDITIONS WILL CONTINUE TO SPREAD ONSHORE ACROSS
SOUTHEASTERN LOUISIANA.

WINDS AFFECTING THE UPPER FLOORS OF HIGH-RISE BUILDINGS WILL BE SIGNIFICANTLY
STRONGER THAN THOSE NEAR GROUND LEVEL. AT ABOUT THE 30TH STORY...WINDS
WOULD LIKELY BE ONE SAFFIR-SIMPSON CATEGORY STRONGER THAN AT THE SURFACE.

RAINFALL...ISAAC IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 7 TO 14
INCHES...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES...OVER MUCH OF
LOUISIANA...SOUTHERN MISSISSIPPI...AND SOUTHWEST ALABAMA THROUGH FRIDAY
MORNING. THESE RAINS COULD RESULT IN SIGNIFICANT LOWLAND FLOODING. RAINS ARE
EXPECTED TO INCREASE NORTHWARD INTO ARKANSAS ON THURSDAY WITH AMOUNTS OF
3 TO 6 INCHES EXPECTED OVER SOUTHERN ARKANSAS BY FRIDAY MORNING.

TORNADOES...ISOLATED TORNADOES ARE POSSIBLE ALONG THE CENTRAL GULF COAST
REGION AND PARTS OF THE LOWER MISSISSIPPI RIVER VALLEY THROUGH WEDNESDAY.

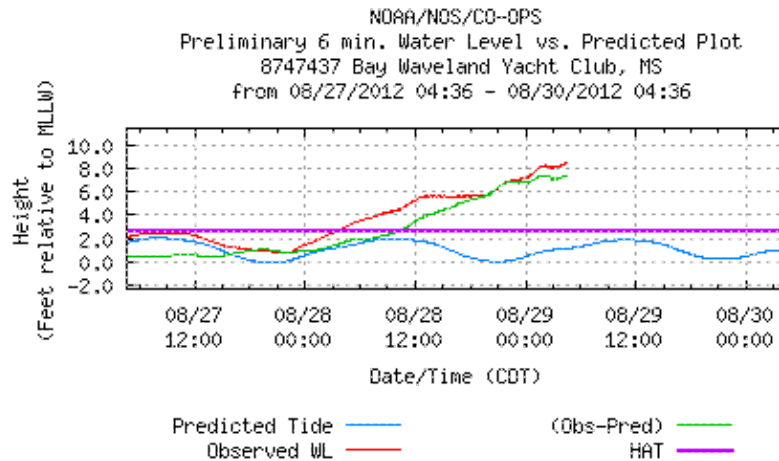
SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL CONTINUE TO AFFECT THE
WEST COAST OF FLORIDA AND THE NORTHERN GULF COAST FOR THE NEXT DAY OR SO.

FORECASTER PASCH/ROBERTS

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Barometric](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Pilots Station East, SW Pass - Barometric](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Coast Guard Sector Mobile - Water Level](#), [Coast Guard Sector Mobile - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Barometric](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#),

Bay Waveland Yacht Club, MS - Return to List

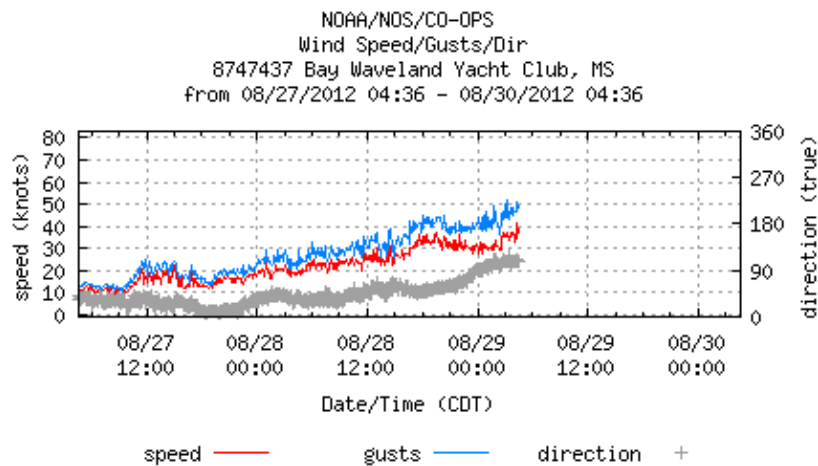


Last Observed Sample: 08/29/2012 04:24 (CDT)

Relative to MLLW: **Observed: 8.57 ft.** **Predicted: 1.11 ft.** **Residual: 7.46 ft.**

Historical Maximum Water Level: Sep 1 2008, 9.16 ft. above MHHW

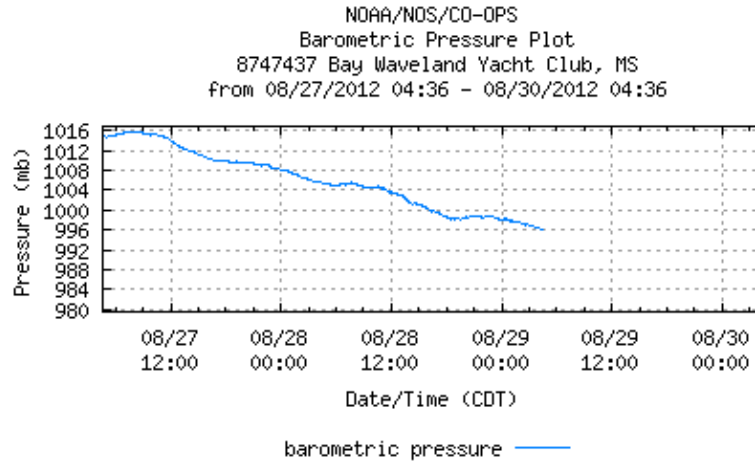
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 08/29/2012 04:24 (CDT)

Wind Speed: 37 knots **Gusts: 48 knots** **Direction: 107° T**

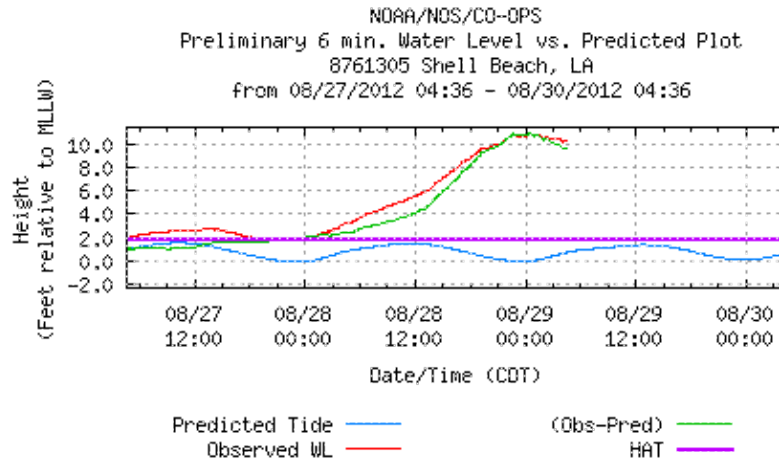
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 08/29/2012 04:24 (CDT)

Barometric Pressure: 996.1 mb

Shell Beach, LA - Return to List

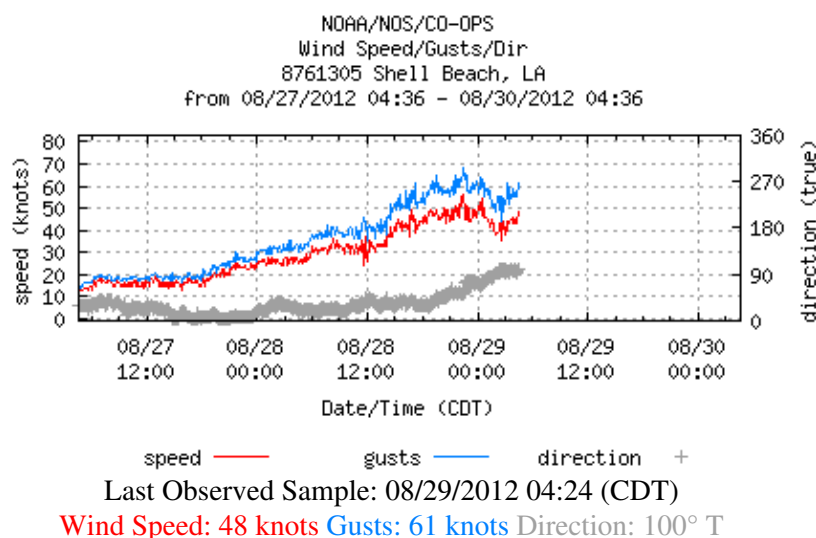


Last Observed Sample: 08/29/2012 04:24 (CDT)

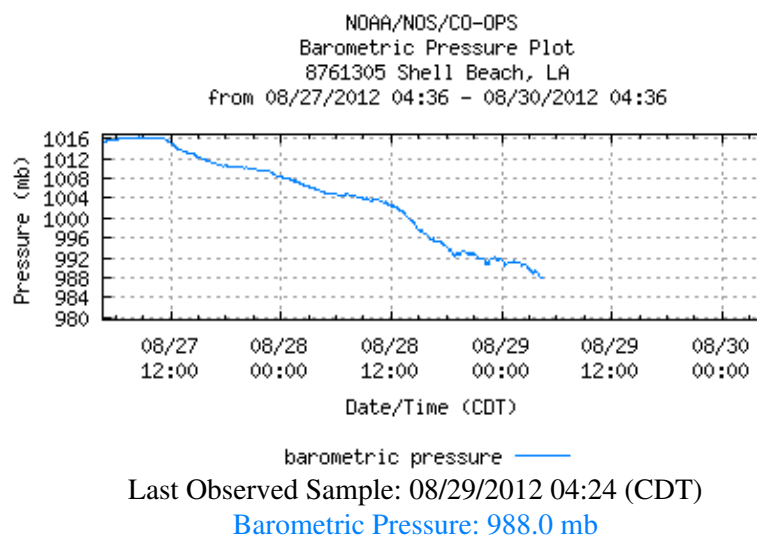
Relative to MLLW: Observed: 10.37 ft. Predicted: 0.65 ft. Residual: 9.72 ft.

Historical Maximum Water Level: Sep 1 2008, 8.78 ft. above MHHW

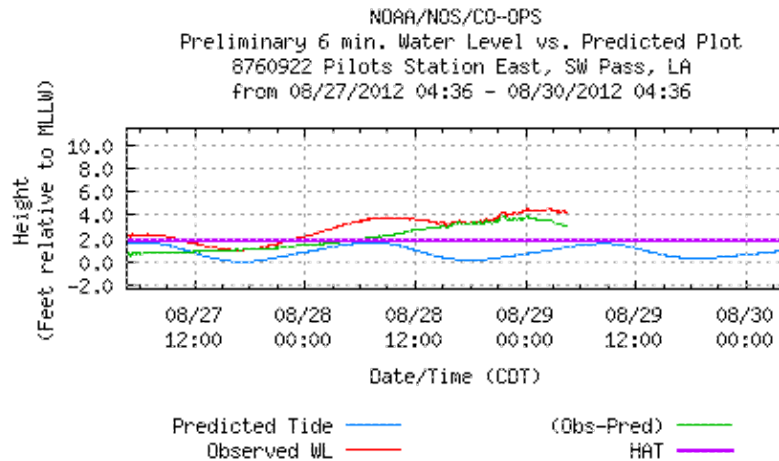
Shell Beach, LA - Return to List



Shell Beach, LA - Return to List



Pilots Station East, SW Pass, LA - Return to List

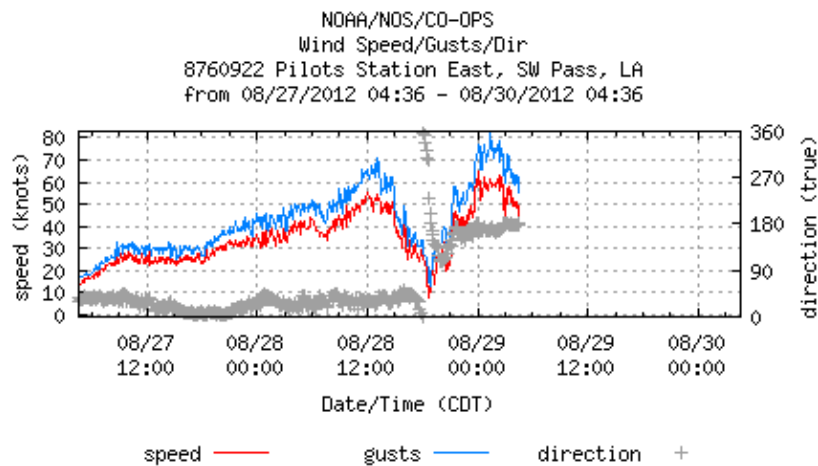


Last Observed Sample: 08/29/2012 04:24 (CDT)

Relative to MLLW: **Observed: 4.33 ft.** **Predicted: 1.22 ft.** **Residual: 3.11 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

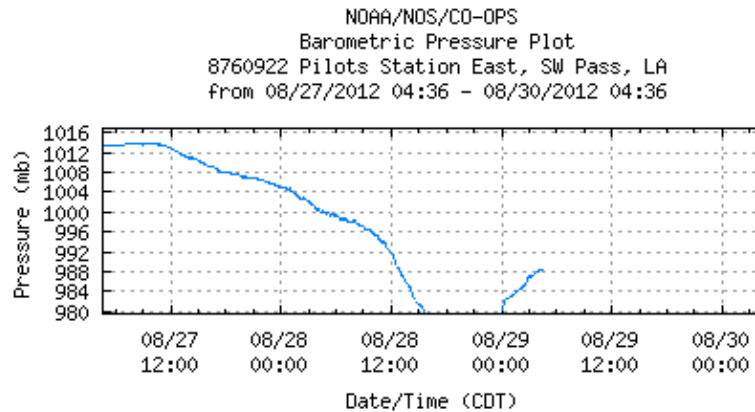
Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 08/29/2012 04:30 (CDT)

Wind Speed: 41 knots **Gusts: 55 knots** **Direction: 182° T**

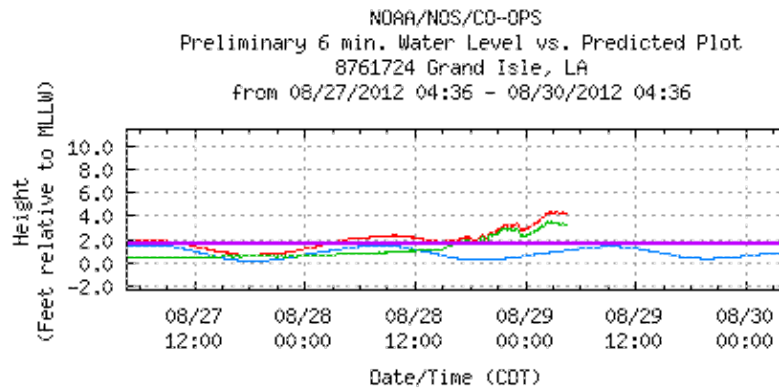
Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 08/29/2012 04:24 (CDT)

Barometric Pressure: 988.5 mb

Grand Isle, LA - Return to List

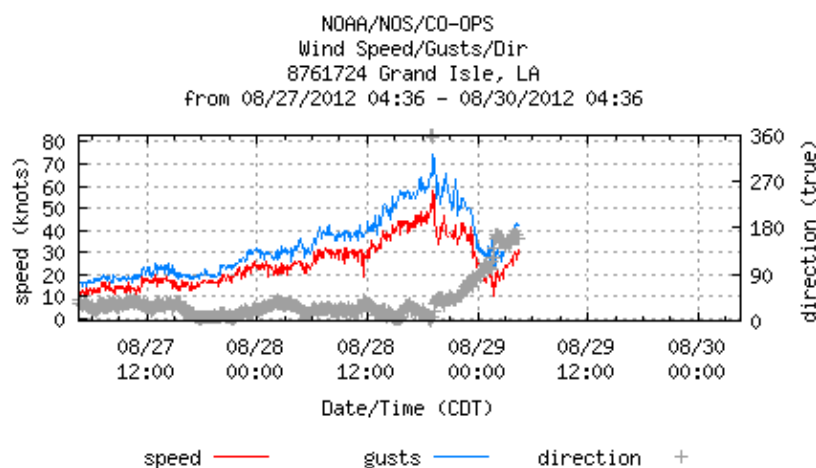


Last Observed Sample: 08/29/2012 04:24 (CDT)

Relative to MLLW: **Observed: 4.29 ft. Predicted: 1.03 ft. Residual: 3.26 ft.**

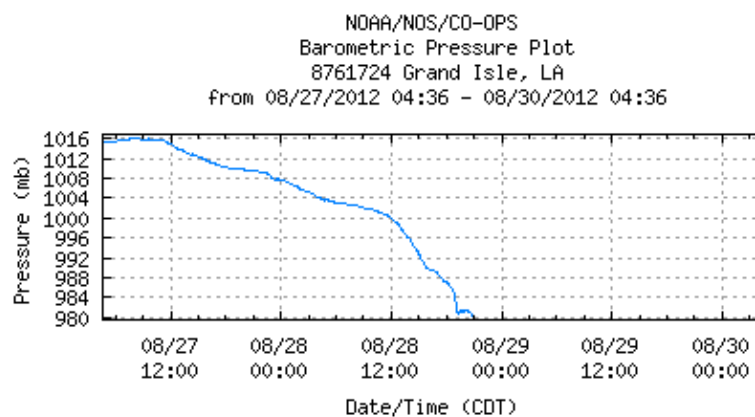
Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

Grand Isle, LA - Return to List



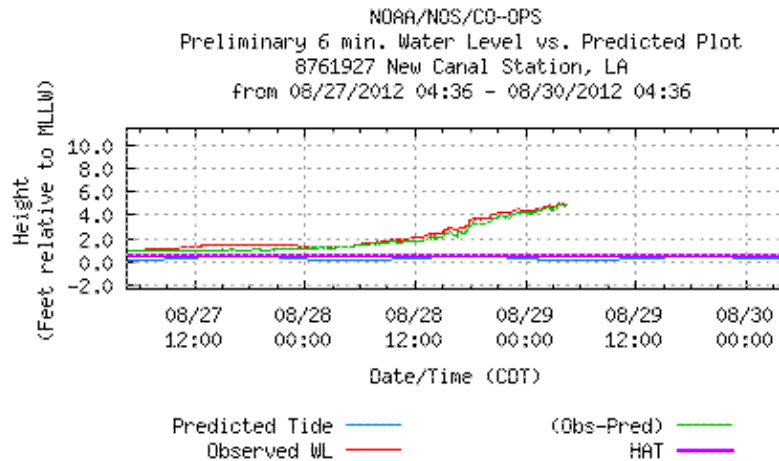
Last Observed Sample: 08/29/2012 04:24 (CDT)
Wind Speed: 31 knots Gusts: 42 knots Direction: 158° T

Grand Isle, LA - Return to List



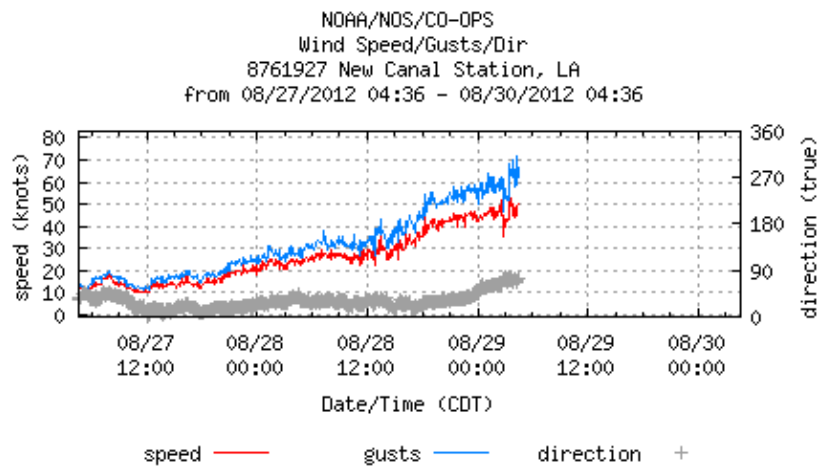
Last Observed Sample: 08/28/2012 20:42 (CDT)
Barometric Pressure: 980.4 mb

New Canal Station, LA - Return to List



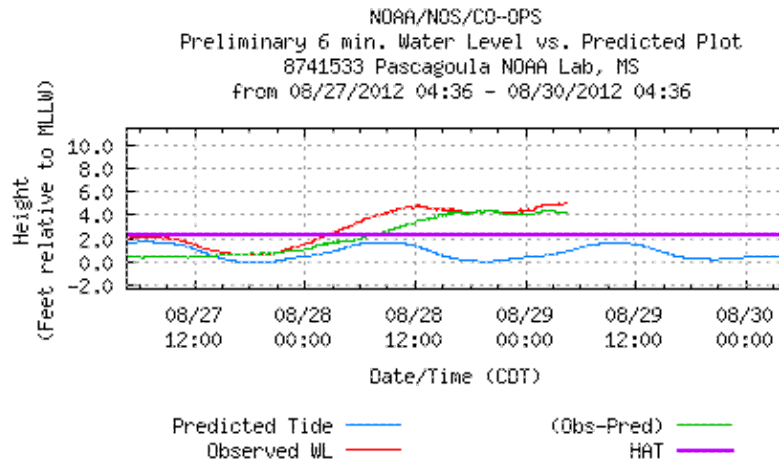
Last Observed Sample: 08/29/2012 04:24 (CDT)
Relative to MLLW: **Observed: 4.97 ft. Predicted: 0.10 ft. Residual: 4.87 ft.**
Historical Maximum Water Level: Sep 13 2008, 4.96 ft. above MHHW

New Canal Station, LA - Return to List



Last Observed Sample: 08/29/2012 04:24 (CDT)
Wind Speed: 50 knots Gusts: 62 knots Direction: 75° T

Pascagoula NOAA Lab, MS - Return to List

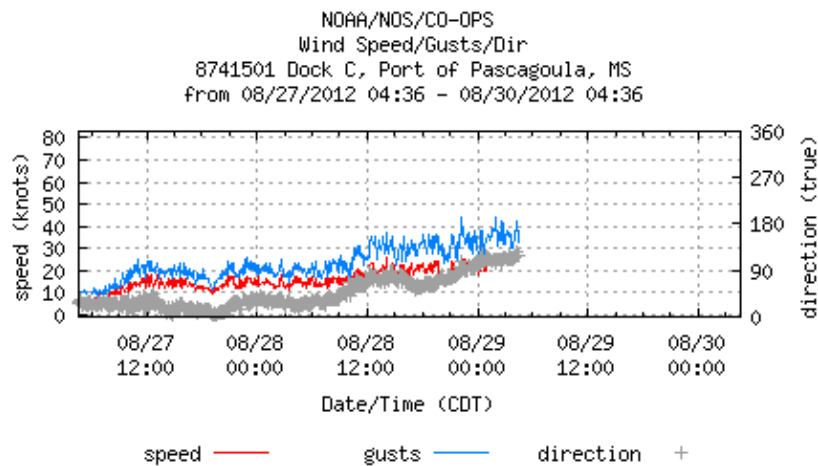


Last Observed Sample: 08/29/2012 04:30 (CDT)

Relative to MLLW: **Observed: 5.12 ft.** **Predicted: 0.86 ft.** **Residual: 4.26 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

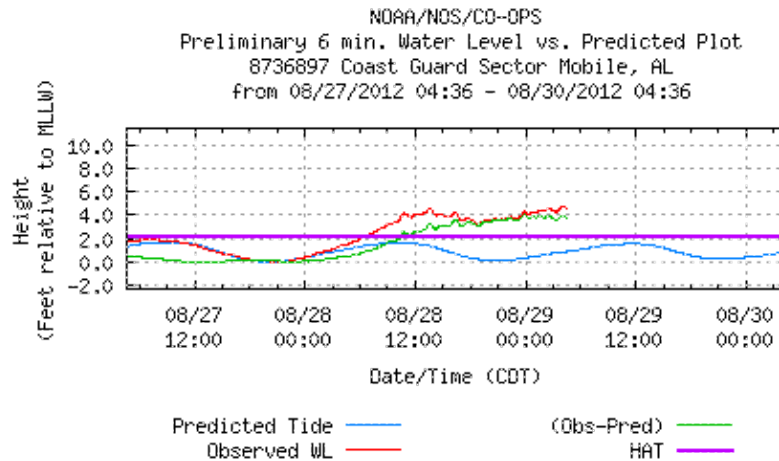
Dock C, Port of Pascagoula, MS - Return to List



Last Observed Sample: 08/29/2012 04:30 (CDT)

Wind Speed: 24 knots **Gusts: 33 knots** **Direction: 119° T**

Coast Guard Sector Mobile, AL - Return to List

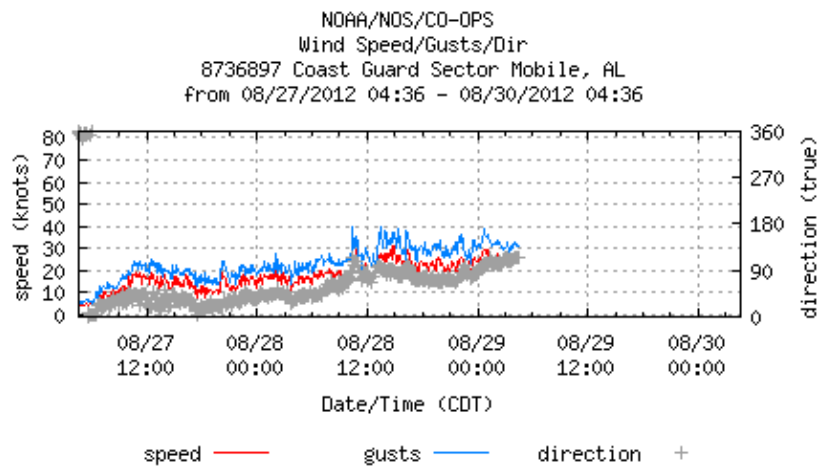


Last Observed Sample: 08/29/2012 04:24 (CDT)

Relative to MLLW: **Observed: 4.66 ft.** **Predicted: 0.83 ft.** **Residual: 3.83 ft.**

Historical Maximum Water Level: Sep 1 2008, 3.79 ft. above MHHW

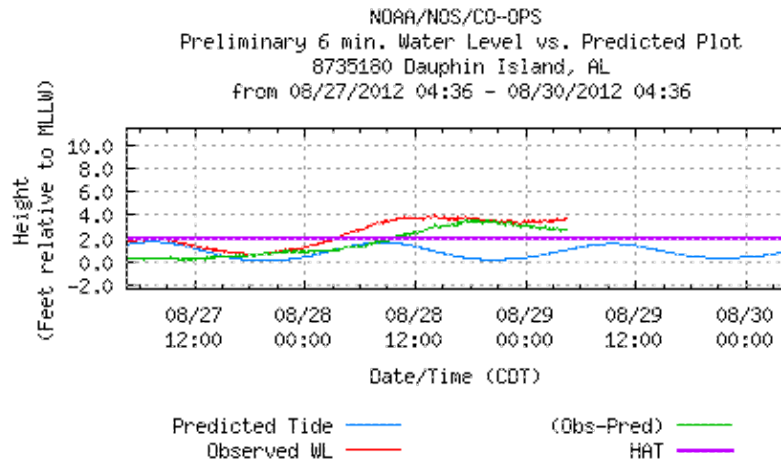
Coast Guard Sector Mobile, AL - Return to List



Last Observed Sample: 08/29/2012 04:24 (CDT)

Wind Speed: 25 knots **Gusts: 31 knots** **Direction: 116° T**

Dauphin Island, AL - Return to List

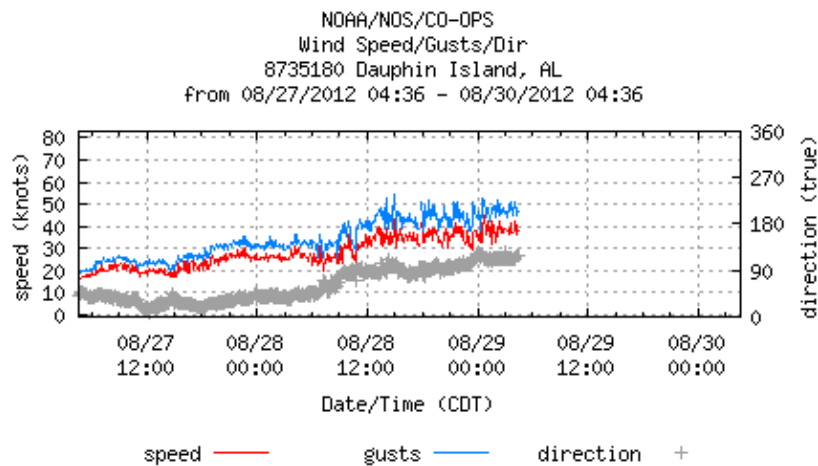


Last Observed Sample: 08/29/2012 04:24 (CDT)

Relative to MLLW: **Observed: 3.76 ft.** **Predicted: 0.97 ft.** **Residual: 2.79 ft.**

Historical Maximum Water Level: Sep 16 2004, 5.94 ft. above MHHW

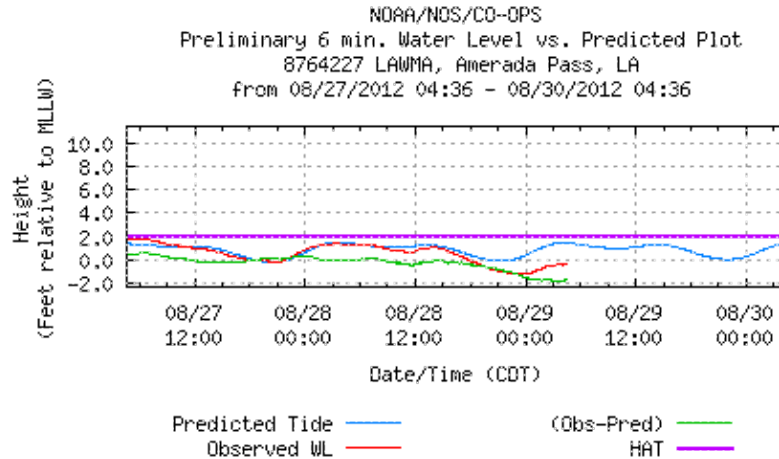
Dauphin Island, AL - Return to List



Last Observed Sample: 08/29/2012 04:24 (CDT)

Wind Speed: 38 knots **Gusts: 47 knots** **Direction: 118° T**

LAWMA, Amerada Pass, LA - Return to List

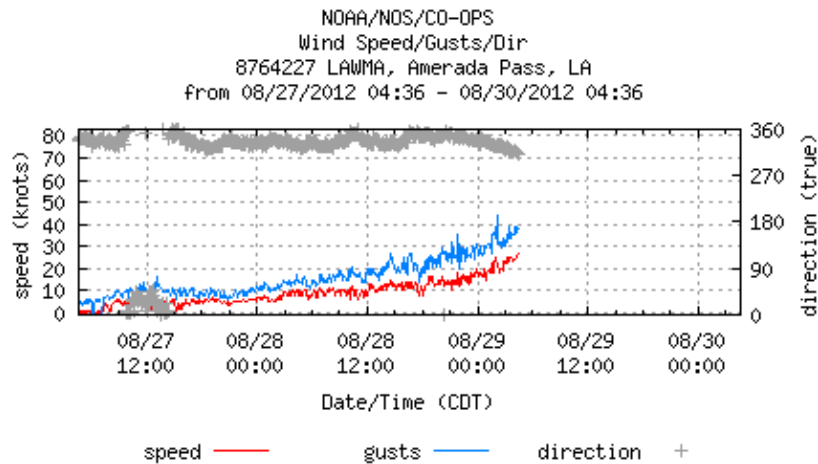


Last Observed Sample: 08/29/2012 04:24 (CDT)

Relative to MLLW: **Observed: -0.38 ft. Predicted: 1.41 ft. Residual: -1.79 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

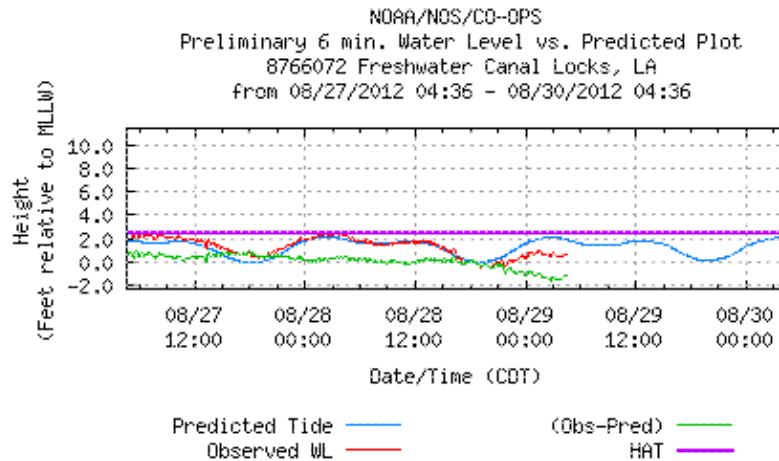
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 08/29/2012 04:24 (CDT)

Wind Speed: 27 knots Gusts: 38 knots Direction: 311° T

[Freshwater Canal Locks, LA - Return to List](#)

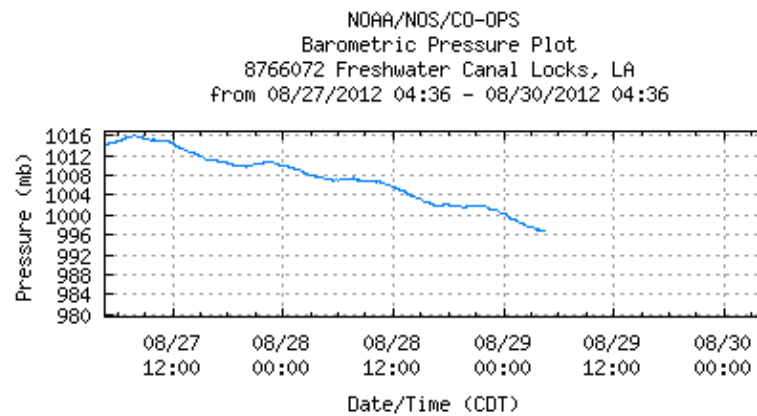


Last Observed Sample: 08/29/2012 04:24 (CDT)

Relative to MLLW: **Observed: 0.60 ft. Predicted: 1.89 ft. Residual: -1.29 ft.**

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

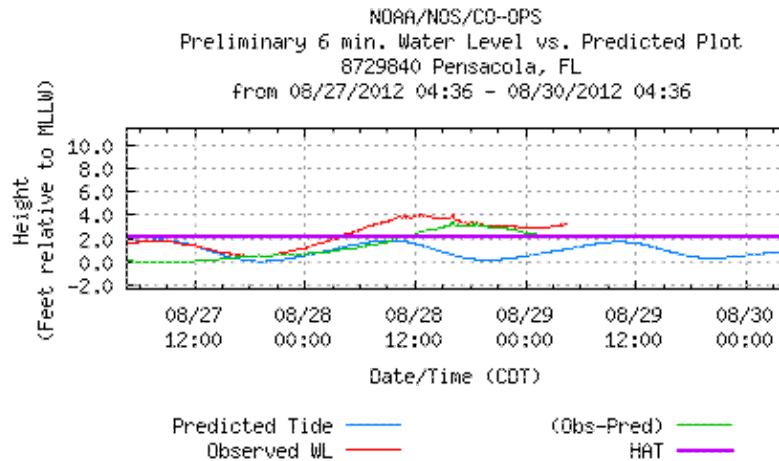
[Freshwater Canal Locks, LA - Return to List](#)



Last Observed Sample: 08/29/2012 04:24 (CDT)

Barometric Pressure: 996.8 mb

Pensacola, FL - Return to List

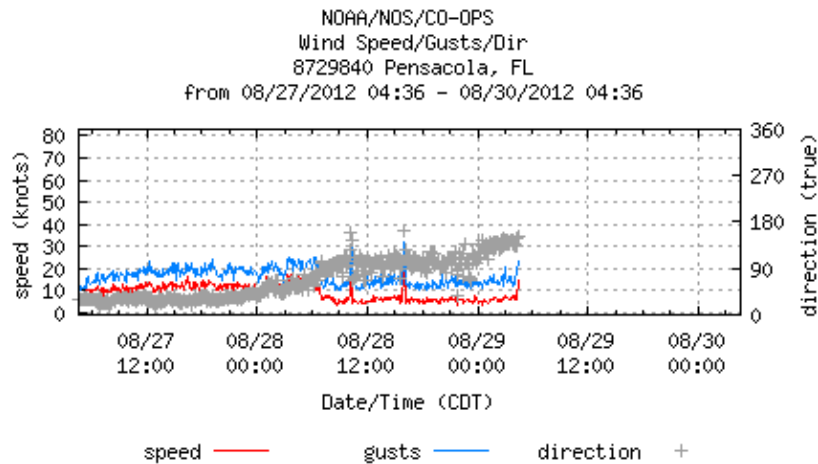


Last Observed Sample: 08/29/2012 04:24 (CDT)

Relative to MLLW: **Observed: 3.21 ft.** **Predicted: 1.05 ft.** **Residual: 2.16 ft.**

Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW

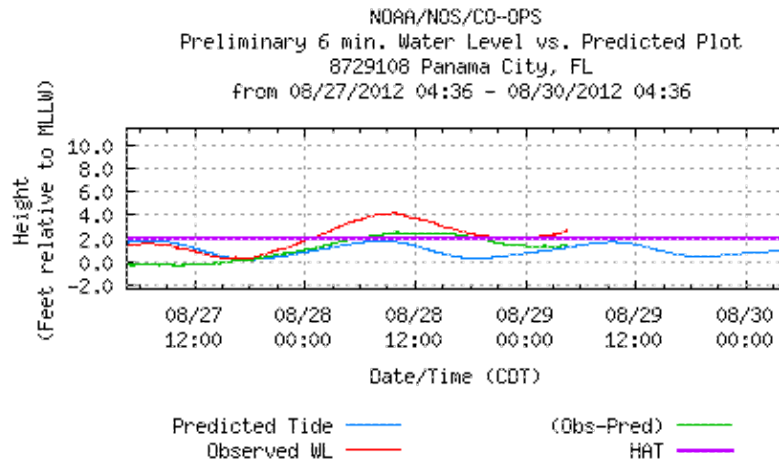
Pensacola, FL - Return to List



Last Observed Sample: 08/29/2012 04:24 (CDT)

Wind Speed: 15 knots **Gusts: 23 knots** **Direction: 151° T**

Panama City, FL - Return to List

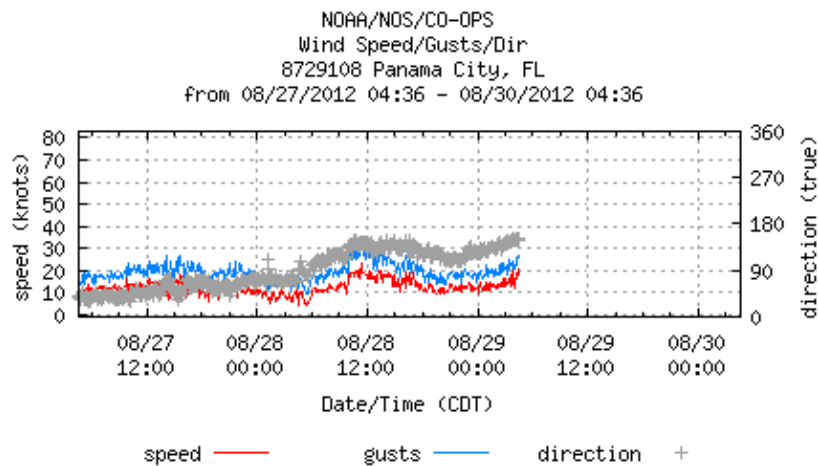


Last Observed Sample: 08/29/2012 04:30 (CDT)

Relative to MLLW: **Observed: 2.67 ft.** **Predicted: 1.20 ft.** **Residual: 1.47 ft.**

Historical Maximum Water Level: Oct 4 1995, 5.72 ft. above MHHW

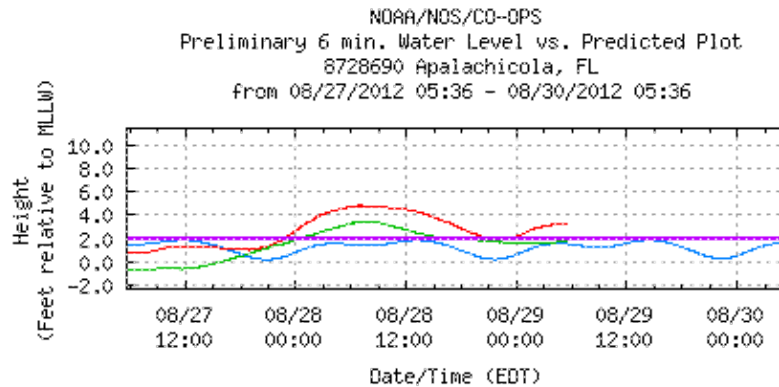
Panama City, FL - Return to List



Last Observed Sample: 08/29/2012 04:30 (CDT)

Wind Speed: 21 knots **Gusts: 27 knots** **Direction: 153° T**

Apalachicola, FL - Return to List

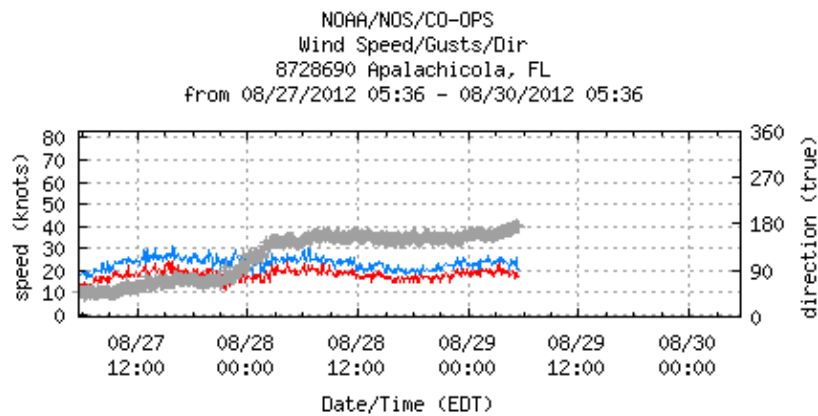


Last Observed Sample: 08/29/2012 05:24 (EDT)

Relative to MLLW: **Observed: 3.30 ft.** **Predicted: 1.52 ft.** **Residual: 1.78 ft.**

Historical Maximum Water Level: Jul 10 2005, 6.43 ft. above MHHW

Apalachicola, FL - Return to List



Last Observed Sample: 08/29/2012 05:24 (EDT)

Wind Speed: 17 knots **Gusts: 21 knots** **Direction: 175° T**

Hurricane ISAAC QuickLook, POSTED 05:00 CDT 08/29/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce